

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

Attorney Docket No: 5405-17

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled EXPRESSION OF G PROTEIN COUPLED RECEPTORS IN YEAST, the specification of which

(check one)

[ ] is attached hereto.

[X] was filed on 13 September 1990 as  
Application Serial No. 07/581,714  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

English Language Declaration

Prior Foreign Application(s)

Priority Claimed

<u>None</u> (Number)	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
 (Number)	 (Country)	 (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
 (Number)	 Country)	 (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>None</u> (Appln. Serial No.)	<u>(Filing Date)</u>	<u>(Status)</u> (patented/pending/aban.)
 (Appln. Serial No.)	 (Filing Date)	 (Status) (patented/pending/aban.)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

English Language Declaration

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Kenneth D. Sibley  
Reg. No. 31,665

James D. Myers  
Reg. No. 28,330

F. Michael Sajovec  
Reg. No. 31,793

Joseph H. Heard  
Reg. No. 19,379

Send correspondence to:

Kenneth D. Sibley  
Bell, Seltzer, Park & Gibson  
Post Office Drawer 34009  
Charlotte, North Carolina 28234

Direct telephone calls to:

Kenneth D. Sibley  
(919) 881-3140

Full name of (first/sole) inventor: Klim (NMN) King

Inventor's  
Signature: Klim King

Date: 11/27/1990

Residence: Durham, Durham County, North Carolina

Citizenship: The People's Republic of China

Post Office Address: 3925 Linden Terrace  
Durham, North Carolina 27705

Full name of second inventor: Henrik G. Dohlman

Inventor's  
Signature: Henrik Dohlman

Date: 12/4/90

Residence: Berkeley, Alameda County, California

Citizenship: United States of America

Post Office Address: 2226 Stewart Street  
Berkeley, California 94705

Full name of third inventor: Marc G. Caron

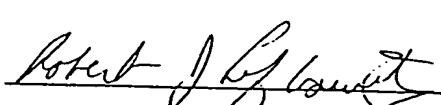
Inventor's  
Signature:  Date: Nov. 27/90

Residence: Durham, Durham County, North Carolina

Citizenship: Canada

Post Office Address: 2606 Evans Drive  
Durham, North Carolina 27705

Full name of fourth inventor: Robert J. Lefkowitz

Inventor's  
Signature:  Date: 11/27/90

Residence: Durham, Durham County, North Carolina

Citizenship: United States of America

Post Office Address: 3539 Hamstead Court  
Durham, North Carolina 27707

SAE:KDS/PTO(5405-17.DEC)  
Duke File 5405-17

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Klim King; Henrick G. Dohlman;  
Marc G. Caron; & Robert J. Lefkowitz Docket No.: CPI-013DVCN

Serial No.: To be assigned (continuation application of Serial No. 08/441,291)

Filed: Herewith

Title: *Expression of G Protein Coupled Receptors in Yeast*

**COPY**

APPOINTMENT OF POWER OF ATTORNEY

Dear Sir:

DUKE UNIVERSITY, the Assignee of the entire right, title and interest in the above-identified application by virtue of an Assignment document filed for U.S. Serial No. 07/581,714 on September 13, 1990, hereby appoints the below listed attorneys and agents with full power of substitution and revocation to prosecute this continuation application and to transact all business in the Patent Office connected therewith.

<u>Attorney/Agent</u>	<u>Registration No.</u>	<u>Attorney/Agent</u>	<u>Registration No.</u>
W. Hugo Liepmann	Reg. No. 20,407	Jeremiah Lynch	Reg. No. 17,425
James E. Cockfield	Reg. No. 19,162	Lawrence E. Monks	Reg. No. 34,224
Thomas V. Smurzynski	Reg. No. 24,798	David A. Lane	Reg. No. 39,261
Ralph A. Loren	Reg. No. 29,325	Catherine J. Kara	Reg. No. 41,106
Thomas J. Engellenner	Reg. No. 28,711	Mark D. Russett	Reg. No. 41,281
Giulio A. DeConti, Jr.	Reg. No. 31,503	Scott D. Rothenberger	Reg. No. 41,277
Ann Lamport Hammitt	Reg. No. 34,858	Thomas P. Grodt	Reg. No. 41,045
Paul Louis Myers	Reg. No. 35,965	Linda M. Chinn	Reg. No. 31,240
Elizabeth A. Hanley	Reg. No. 33,505	Kevin J. Canning	Reg. No. 35,470
Michael I. Falkoff	Reg. No. 30,833	Ivana Maravic-Mugovcevic	Reg. No. P43,338
John V. Bianco	Reg. No. 36,748	Faustino A. Lichauco	Reg. No. P41,942
Amy E. Mandragouras	Reg. No. 36,207	C. Eric Schulman	Reg. No. P43,350
Anthony A. Laurentano	Reg. No. 38,220	Jeanne M. DiGiorgio	Reg. No. P41,710
Jane E. Remillard	Reg. No. 38,872	Megan E. Williams	Reg. No. P43,270
Mark A. Kurisko	Reg. No. 38,944		

all of Lahive & Cockfield, 28 State Street, Boston, Massachusetts 02109, United States of America.

2nd: Algis Anilionis, Registration No. 36,995  
Cadus Pharmaceutical Corporation  
777 Old Saw Mill River Road  
Tarrytown, NY 10591-6705

Send correspondence to:

Giulio A. DeConti, Jr.  
LAHIVE & COCKFIELD, LLP  
28 State Street  
Boston, MA 02109

DUKE UNIVERSITY

By: Robert L. Taber, Ph.D.

Typed Name: Associate Vice Chancellor

Title: \_\_\_\_\_

Dated: 4/7/98

DISSEMINATE INFORMATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: K. King *et al.*

Serial No.: 09/056,920

Filed: February 3, 1999

For: *Expression of a G-Protein-coupled Receptor  
In Yeast*

Attorney Docket No.: CPI-013DCPA

Group Art Unit: 1646

Examiner: J. Ulm

Assistant Commissioner for Patents  
Washington, D.C. 20231

**COPY**

**ASSOCIATE POWER OF ATTORNEY**

Sir:

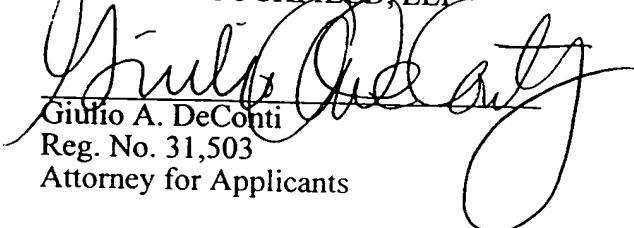
The undersigned attorney, who has a power of attorney in the above-identified application, hereby grants an associate power to:

Peter C. Lauro  
Registration No. 32,360  
Lahive & Cockfield, LLP  
28 State Street  
Boston, MA 02109

Please continue to forward all written and telephonic communications to Giulio A. DeConti at the address and telephone number listed below.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

  
Giulio A. DeConti  
Reg. No. 31,503  
Attorney for Applicants

28 State Street  
Boston, MA 02109  
Tel. (617) 227-7400

Date: February 3, 1999



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

KDS  
5405-1

TO: BELL, SELTZER, PARK & GIBSON  
POST OFFICE DRAWER 34009  
CHARLOTTE, NC 28234

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

of COPY

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME  
NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE  
AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 KING, KLIM

DOC DATE: 11/27/90

ASSIGNOR: 002 DOHLMAN, HENRIK G.

DOC DATE: 12/04/90

ASSIGNOR: 003 CARON, MARC G.

DOC DATE: 11/27/90

ASSIGNOR: 004 LEFKOWITZ, ROBERT J.

DOC DATE: 11/27/90

RECORDATION DATE: 12/13/90 NUMBER OF PAGES 006 REEL/FRAME 5555/0694

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 DUKE UNIVERSITY, ERWIN ROAD, DURHAM, DURHAM, NC 27706

SERIAL NUMBER 7-581714 FILING DATE 09/13/90  
PATENT NUMBER ISSUE DATE 00/00/00

## ASSIGNMENT

THIS ASSIGNMENT, made by us, Klim (NMN) King, a citizen of The People's Republic of China, residing at 3925 Linden Terrace, City and County of Durham, State of North Carolina, 27705; Henrik G. Dohlman, a citizen of the United States of America, residing at 2226 Stewart Street, City of Berkeley, County of Alameda, State of California, 94705; Marc G. Caron, a citizen of Canada, residing at 2606 Evans Drive, City and County of Durham, State of North Carolina, 27705; and Robert J. Lefkowitz, a citizen of the United States of America, residing at 3539 Hamstead Court, City and County of Durham, State of North Carolina, 27707,

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in EXPRESSION OF G PROTEIN COUPLED RECEPTORS IN YEAST for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on 13 September 1990, under Serial No. 07/581,714; and

WHEREAS, Duke University, an educational institution having a principal operation at Erwin Road, City of Durham, County of Durham, State of North Carolina, 27706, hereinafter referred to as assignee, is desirous of acquiring our entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, our entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with our right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree, and likewise bind our heirs, legal representatives and assigns, to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection

for the said invention in all countries and to vest in the assignee our complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 27<sup>th</sup> day of November, 1990.

  
Klim (NMN) King \_\_\_\_\_ (SEAL)

STATE OF NORTH CAROLINA )  
COUNTY OF DURHAM ) ss:  
                            )

Before me personally appeared Klim (NMN) King, to me known to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purpose therein stated, this 27<sup>th</sup> day of November, 1990.

  
Bonnie Kissell,  
Notary Public

SEAL

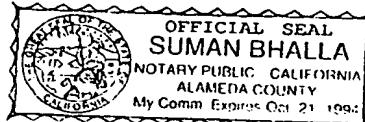
My Commission Expires: 09-05-95

Henrik G. Dohlman (SEAL)  
Henrik G. Dohlman

STATE OF CALIFORNIA )  
 ) ss:  
COUNTY OF ALAMEDA )

Before me personally appeared Henrik G. Dohlman, to me known to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purpose therein stated, this 4<sup>th</sup> day of December, 1990.

SEAL



Suman Bhalla.

Notary Public

My Comm. Exp. Oct 21, 1994.

My Commission Expires: Oct 21, 1994.

Marc G. Caron

(SEAL)

STATE OF NORTH CAROLINA )  
 ) ss:  
COUNTY OF DURHAM )

Before me personally appeared Marc G. Caron, to me known to be the person described in and who executed the foregoing instrument; and she acknowledged to me that she executed the same for the purpose therein stated, this 27<sup>th</sup> day of November, 1990.

Bonnie Kissell  
Notary Public

SEAL

My Commission Expires: 09-05-95

*Robert J. Lefkowitz*  
Robert J. Lefkowitz

(SEAL)

STATE OF NORTH CAROLINA )  
 ) ss:  
COUNTY OF DURHAM )

Before me personally appeared Robert J. Lefkowitz, to me known to be the person described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same for the purpose therein stated, this 27<sup>th</sup> day of November, 1990.

*Bonnie Kissell*  
Notary Public

SEAL

My Commission Expires: 09-05-95

Kenneth D. Sibley, Esquire  
BELL, SELTZER, PARK & GIBSON, P.A.  
Post Office Drawer 34009  
Charlotte, North Carolina 28234  
Telephone: (919) 881-3140

sae:KDS/PTO(5405-17.ASN)  
Duke File 5405-17